



L3HARRIS™
FAST. FORWARD.

HAWKEYE™ 4 LITE

1.3 Meter Flyaway VSAT

ANTENNA

Aperture	1.3 M parabolic	
Optics	Center fed	
Acquisition	Manual	Auto-Acquire
Elevation	5° to +90°	5° to +90°
Azimuth	±90°	±120
LEO/MEO Capable	N/A	Yes

PACKED SYSTEM WEIGHT (950MP W/AC ONLY SUPPLY)

Weight	Two cases, <84 lbs each
Dimensions	All cases: <70 linear in

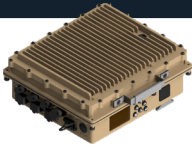
RF PERFORMANCE

RF BAND	X	Ku	Ka
Transmit (GHz)	7.90-8.40	13.75-14.50	29.0-31.0
Receive (GHz)	7.25-7.75	10.95-12.75 Universal LNB	19.2-21.2 Universal LNB
Polarization	Circular	Linear	Circular
G/T	16.7 dB/K	20.5 dB/K	21.8 dB/K
EIRP [Standard Power]	51.7 dBW	54.8 dBW	56.6 dBW
EIRP [High Power]	54.7 dBW	58.2 dBW	59.9 dBW

MODEM INTEGRATION

Supported Modems	iDirect 950mp (Evolution and Velocity) ViaSat CBM-400 (Linkway and EBEM) L3Harris MPM-2500 (NCW) External Modem
Future Modems	iDirect 450 mp Comtech 5650C L3Harris Protected Anti-Jam Tactical Satcom (PATS)

COMMON CONTROLLER

Internal High Stability OCXO	Included	 Common Controller and Modem Module
Beacon Receiver	Included	
Gatekeeper (optional)	Gatekeeper w/ embedded Spectral Display capability (via ViewSAT-e)	
WiFi® (optional)	802.11a/b/g/n (20 Mbps device to modem throughput)	



The Hawkeye 4 Lite (H4L) is the next generation of the widely-fielded L3Harris Hawkeye family, lighter in weight with enhanced modularity. The H4L VSAT features a carbon fiber 1.3 M segmented antenna supporting high-speed data and voice for Internet, VPN and video transmission. The antenna is available with auto acquire or manual pointing capabilities and X, Ku and Ka bands, with standard and high-power options for each. This easily-transportable solution supports quick, in-field modem changes, and easy upgrades to new modem technologies, including anti-jam protection. The H4L features the industry-leading Viewsat-E GUI and GATEKEEPER™ interference excision technology.

INTERFACE	
LAN Ports	3x Gigabit RJ-45
GPS	(Internal) GPS Receiver/Antenna (Optional external) NMEA 0183, NMEA 2000
Receive Monitor	L-band receive monitor port
External Modem	L-band interfaces
User Interface	Remote ViewSAT-e GUI and local color LCD and keypad

POWER		
	AC Supply	Enhanced Feature
AC Input	90-264 VAC, 47 ~ 63 Hz (auto-ranging)	90-264 VAC, 47 ~ 63 Hz (auto-ranging)
DC Input	N/A	18-36 VDC
Battery Operation	N/A	Standard Power RF band kits: 1, 2, or 3 BB-2590 high capacity (288 WH) batteries High Power RF band kits: Requires 3x BB-2590 high capacity (288 WH) batteries
Note: AC or DC input required during auto acquisition process. Battery operation not supported.		
Battery Run Time (minimum)	N/A	1 hour run time on single BB-2590 high capacity (288 WH) battery with Standard Power RF band kits and manual point. 15-minute run time on 3x high capacity (288 WH) BB-2590 batteries with High Power RF band kits
Battery Charging	N/A	Capable of slow charging up to 3 BB-2590 batteries when AC or DC input is present
UPS	N/A	Uninterpretable power fail-over to connected battery input when AC and DC input power fails

* Power requirements can vary depending on specific configuration

ENVIRONMENTAL	
Vibration	MIL-STD-810H, Method 514.8, Categories 5, and 7 through 11 (packed for transit configuration) Cat 5 is Procedure II Truck/trailer/tracked environment. Cat 7, 8, 9 and 11 use Procedure I. Cat 10 use Procedure II
Humidity	MIL-STD-810H, Method 507.6 Procedure II 10 day Aggravated. (packed for transit and operating configurations)

ENVIRONMENTAL	
Salt/Fog	MIL-STD-810H, Method 509.7 (packed for transit and deployed configurations)
Sand and Dust	MIL-STD-810H, Method 510.7 Procedures I and II (packed for transit and operating configurations) Two runs – both ambient and High Temp
Shock	MIL-STD-810H, Method 516.8 procedures II and IV (packed for transit)
Rain	MIL-STD-810H, Method 506.6, Procedure 1 (packed for transit and operating configuration)
High Temperature	MIL-STD-810H, Method 501.7, Procedure I (packed for transit) and Procedure II (operating configuration) [55°C operational/71°C storage]
Low Temperature	MIL-STD-810H, Method 502.7 Procedure I (packed for transit) and Procedure II (operating configuration) [-32°C operational/-46°C storage]
Wind	25 MPH without anchors 30 MPH, gusting to 45 MPH with anchors
Solar Radiation	MIL-STD-810H, Method 505.7, Procedure I (operating configuration) [50°C operational]
Low Pressure (Altitude)	MIL-STD-810H, Method 500.6, Procedure I (packed for transit), Procedure II (operating configuration) 15,000 ft.

Notes: (1) High temperature is defined without a solar load. Operational temperature is de-rated for solar radiation. (2) Product low temperature range to be de-rated to comply with modem manufactures low operating temperature specifications, where applicable.

CERTIFICATIONS (PLANNED)	
ARSTRAT	X-Band (Standard and High Power) Ka-Band (Standard and High Power)
Inmarsat Global Xpress	Ka-Band (High Power) Category 1 and Category 4
Intelsat Flex	Ku-Band (High Power)
ViaSat	CBM-400 embedment certification
CE	EN60950, EN301428, EN301489, and RoHS

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